



SEQUENCE LISTING

<110> PITTMAN, DEBRA D.

<120> COMPOSITIONS AND METHODS FOR TREATING RAGE-ASSOCIATED
DISORDERS

<130> WYTH-P01-002

<140> 10/643,589

<141> 2003-08-18

<150> 60/404,205

<151> 2002-08-16

<160> 13

<170> PatentIn version 3.5

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<211> 2057

<212> DNA

<213> Mus sp.

<220>

<223> Murine Soluble RAGE_FC

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 <212> PRT
 <213> Mus sp.

<220>
 <223> Murine Soluble RAGE_FC

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 20 25 30

Pro Leu Val Leu Ser Cys Lys Gly Ala Pro Lys Lys Pro Pro Gln Gln
 35 40 45

Leu Glu Trp Lys Leu Asn Thr Gly Arg Thr Glu Ala Trp Lys Val Leu
 50 55 60

Ser Pro Gln Gly Gly Pro Trp Asp Ser Val Ala Gln Ile Leu Pro Asn
 65 70 75 80

Gly Ser Leu Leu Leu Pro Ala Thr Gly Ile Val Asp Glu Gly Thr Phe
 85 90 95

Arg Cys Arg Ala Thr Asn Arg Arg Gly Lys Glu Val Lys Ser Asn Tyr
 100 105 110

Arg Val Arg Val Tyr Gln Ile Pro Gly Lys Pro Glu Ile Val Asp Pro
 115 120 125

Ala Ser Glu Leu Thr Ala Ser Val Pro Asn Lys Val Gly Thr Cys Val
 130 135 140

Ser Glu Gly Ser Tyr Pro Ala Gly Thr Leu Ser Trp His Leu Asp Gly
 145 150 155 160

Lys Leu Leu Ile Pro Asp Gly Lys Glu Thr Leu Val Lys Glu Glu Thr
 165 170 175

Arg Arg His Pro Glu Thr Gly Leu Phe Thr Leu Arg Ser Glu Leu Thr
 180 185 190

Val Ile Pro Thr Gln Gly Gly Thr Thr His Pro Thr Phe Ser Cys Ser
 195 200 205

Phe Ser Leu Gly Leu Pro Arg Arg Arg Pro Leu Asn Thr Ala Pro Ile
 210 215 220

Gln Leu Arg Val Arg Glu Pro Gly Pro Pro Glu Gly Ile Gln Leu Leu
 225 230 235 240

Val Glu Pro Glu Gly Gly Ile Val Ala Pro Gly Gly Thr Val Thr Leu
 245 250 255

Thr Cys Ala Ile Ser Ala Gln Pro Pro Pro Gln Val His Trp Ile Lys
 260 265 270

Asp Gly Ala Pro Leu Pro Leu Ala Pro Ser Pro Val Leu Leu Leu Pro
 275 280 285

Glu Val Gly His Ala Asp Glu Gly Thr Tyr Ser Cys Val Ala Thr His
 290 295 300

Pro Ser His Gly Pro Gln Glu Ser Pro Pro Val Ser Ile Arg Val Thr
 305 310 315 320

Glu Thr Gly Asp Glu Gly Pro Ala Glu Gly Ser Val Gly Glu Ser Gly
 325 330 335

Leu Gly Thr Leu Ala Leu Ala
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<210> 3
 <211> 1810
 <212> DNA
 <213> Mus sp.

<220>
 <223> Murine solTNFR_{II}_FC

<400> 3
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<210> 4
 <211> 258
 <212> PRT
 <213> Mus sp.

<220>
 <223> Murine solTNFR_{II}_FC

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Trp Ala Thr Gly His Thr Val Pro Ala Gln Val Val Leu Thr Pro Tyr
 20 25 30

Lys Pro Glu Pro Gly Tyr Glu Cys Gln Ile Ser Gln Glu Tyr Tyr Asp
 35 40 45

Arg Lys Ala Gln Met Cys Cys Ala Lys Cys Pro Pro Gly Gln Tyr Val
 50 55 60

Lys His Phe Cys Asn Lys Thr Ser Asp Thr Val Cys Ala Asp Cys Glu
 65 70 75 80

Ala Ser Met Tyr Thr Gln Val Trp Asn Gln Phe Arg Thr Cys Leu Ser
 85 90 95

Cys Ser Ser Ser Cys Ser Thr Asp Gln Val Glu Thr Arg Ala Cys Thr
 100 105 110

Lys Gln Gln Asn Arg Val Cys Ala Cys Glu Ala Gly Arg Tyr Cys Ala
 115 120 125

Leu Lys Thr His Ser Gly Ser Cys Arg Gln Cys Met Arg Leu Ser Lys
 130 135 140

Cys Gly Pro Gly Phe Gly Val Ala Ser Ser Arg Ala Pro Asn Gly Asn
 145 150 155 160

Val Leu Cys Lys Ala Cys Ala Pro Gly Thr Phe Ser Asp Thr Thr Ser
 165 170 175

Ser Thr Asp Val Cys Arg Pro His Arg Ile Cys Ser Ile Leu Ala Ile
 180 185 190

Pro Gly Asn Ala Ser Thr Asp Ala Val Cys Ala Pro Glu Ser Pro Thr
 195 200 205

Leu Ser Ala Ile Pro Arg Thr Leu Tyr Val Ser Gln Pro Glu Pro Thr
 210 215 220

Arg Ser Gln Pro Leu Asp Gln Glu Pro Gly Pro Ser Gln Thr Pro Ser
 225 230 235 240

Ile Leu Thr Ser Leu Gly Ser Thr Pro Ile Ile Glu Gln Ser Thr Lys
 245 250 255

Gly Gly

<210> 5
 <211> 585
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Human RAGE-LBE fused to an Fc element

<220>
 <221> MOD_RES
 <222> (423)..(423)
 <223> Any amino acid

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 1 5 10 15

Trp Gly Ala Val Val Gly Ala Gln Asn Ile Thr Ala Arg Ile Gly Glu
 20 25 30

Pro Leu Val Leu Lys Cys Lys Gly Ala Pro Lys Lys Pro Pro Gln Arg
 35 40 45

Leu Glu Trp Lys Leu Asn Thr Gly Arg Thr Glu Ala Trp Lys Val Leu
 50 55 60

Ser Pro Gln Gly Gly Gly Pro Trp Asp Ser Val Ala Arg Val Leu Pro
 65 70 75 80

Asn Gly Ser Leu Phe Leu Pro Ala Val Gly Ile Gln Asp Glu Gly Ile
 85 90 95

Phe Arg Cys Gln Ala Asn Ile Asn Arg Asn Gly Lys Glu Thr Lys Ser
 100 105 110

Asn Tyr Arg Val Arg Val Tyr Gln Ile Pro Glu Lys Pro Glu Ile Val
 115 120 125

Asp Ser Ala Ser Glu Leu Thr Ala Gly Val Pro Asn Lys Val Gly Thr
 130 135 140

Cys Val Ser Glu Gly Ser Tyr Pro Ala Gly Thr Leu Ser Trp His Leu
 145 150 155 160

Asp Gly Lys Pro Leu Val Leu Asn Glu Lys Gly Val Ser Val Lys Glu
 165 170 175

Gln Thr Arg Arg His Pro Glu Thr Gly Leu Phe Thr Leu Gln Ser Glu
 180 185 190

Leu Met Val Thr Pro Ala Arg Gly Gly Asp Pro Arg Pro Thr Phe Ser
 195 200 205

Cys Ser Phe Ser Pro Gly Leu Pro Arg His Arg Ala Leu Arg Thr Ala
 210 215 220

Pro Ile Gln Pro Arg Val Trp Glu Pro Val Pro Leu Glu Glu Val Gln
 225 230 235 240

Leu Val Val Glu Pro Glu Gly Gly Ala Val Ala Pro Gly Gly Thr Val
 245 250 255

Thr Leu Thr Cys Glu Val Pro Ala Gln Pro Ser Pro Gln Ile His Trp
 260 265 270

Met Lys Asp Gly Val Pro Leu Pro Leu Pro Pro Ser Pro Val Leu Ile
 275 280 285

Leu Pro Glu Ile Gly Pro Gln Asp Gln Gly Thr Tyr Ser Cys Val Ala
 290 295 300

Thr His Ser Ser His Gly Pro Gln Glu Ser Arg Ala Val Ser Ile Ser
 305 310 315 320

Ile Ile Glu Pro Gly Glu Glu Gly Pro Thr Ala Gly Ser Val Gly Gly
 325 330 335

Ser Gly Leu Gly Thr Leu Ala Leu Ala Cys Ala Gly Ser Gly Ser Gly
 340 345 350

Ser Gly Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys
 355 360 365

Pro Ala Pro Glu Ala Leu Gly Ala Pro Ser Val Phe Leu Phe Pro Asp
 370 375 380

Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys
 385 390 395 400

Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp
 405 410 415

Tyr Val Asp Gly Val Glu Xaa Gln Asn Ala Lys Thr Lys Pro Arg Glu
 420 425 430

Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu
 435 440 445

His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
 450 455 460

Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
 465 470 475 480

Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu
 485 490 495

Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr
 500 505 510

Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
 515 520 525

Lys Cys Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe
 530 535 540

Leu Tyr Ser Lys Leu Thr Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
 545 550 555 560

Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
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Lys Ser Leu Ser Leu Ser Pro Gly Lys
 580 585

<210> 6

<211> 1761

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Human RAGE-LBE fused to an Fc element

<400> 6

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ctgtccccgg gtaaagt g 1761

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<210> 7
<211> 404
<212> PRT
<213> Homo sapiens

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<220>
<223> HUMAN RAGE

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<400> 7
Met Ala Ala Gly Thr Ala Val Gly Ala Trp Val Leu Val Leu Ser Leu
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Trp Gly Ala Val Val Gly Ala Gln Asn Ile Thr Ala Arg Ile Gly Glu
          20          25          30

```

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Pro Leu Val Leu Lys Cys Lys Gly Ala Pro Lys Lys Pro Pro Gln Arg
          35          40          45

```

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Leu Glu Trp Lys Leu Asn Thr Gly Arg Thr Glu Ala Trp Lys Val Leu
          50          55          60

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```

Ser Pro Gln Gly Gly Gly Pro Trp Asp Ser Val Ala Arg Val Leu Pro
          65          70          75          80

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Asn Gly Ser Leu Phe Leu Pro Ala Val Gly Ile Gln Asp Glu Gly Ile
          85          90          95

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Phe Arg Cys Gln Ala Met Asn Arg Asn Gly Lys Glu Thr Lys Ser Asn
          100          105          110

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Tyr Arg Val Arg Val Tyr Gln Ile Pro Gly Lys Pro Glu Ile Val Asp
          115          120          125

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Ser Ala Ser Glu Leu Thr Ala Gly Val Pro Asn Lys Val Gly Thr Cys
          130          135          140

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Val Ser Glu Gly Ser Tyr Pro Ala Gly Thr Leu Ser Trp His Leu Asp
          145          150          155          160

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Gly Lys Pro Leu Val Pro Asn Glu Lys Gly Val Ser Val Lys Glu Gln
 165 170 175

Thr Arg Arg His Pro Glu Thr Gly Leu Phe Thr Leu Gln Ser Glu Leu
 180 185 190

Met Val Thr Pro Ala Arg Gly Gly Asp Pro Arg Pro Thr Phe Ser Cys
 195 200 205

Ser Phe Ser Pro Gly Leu Pro Arg His Arg Ala Leu Arg Thr Ala Pro
 210 215 220

Ile Gln Pro Arg Val Trp Glu Pro Val Pro Leu Glu Glu Val Gln Leu
 225 230 235 240

Val Val Glu Pro Glu Gly Gly Ala Val Ala Pro Gly Gly Thr Val Thr
 245 250 255

Leu Thr Cys Glu Val Pro Ala Gln Pro Ser Pro Gln Ile His Trp Met
 260 265 270

Lys Asp Gly Val Pro Leu Pro Leu Pro Pro Ser Pro Val Leu Ile Leu
 275 280 285

Pro Glu Ile Gly Pro Gln Asp Gln Gly Thr Tyr Ser Cys Val Ala Thr
 290 295 300

His Ser Ser His Gly Pro Gln Glu Ser Arg Ala Val Ser Ile Ser Ile
 305 310 315 320

Ile Glu Pro Gly Glu Glu Gly Pro Thr Ala Gly Ser Val Gly Gly Ser
 325 330 335

Gly Leu Gly Thr Leu Ala Leu Ala Leu Gly Ile Leu Gly Gly Leu Gly
 340 345 350

Thr Ala Ala Leu Leu Ile Gly Val Ile Leu Trp Gln Arg Arg Gln Arg
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Arg Gly Glu Glu Arg Lys Ala Pro Glu Asn Gln Glu Glu Glu Glu
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Arg Ala Glu Leu Asn Gln Ser Glu Glu Pro Glu Ala Gly Glu Ser Ser
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Thr Gly Gly Pro

<210> 8

<211> 1436

<212> DNA

<213> Homo sapiens

<220>

<223> HUMAN RAGE

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<210> 9
<211> 40
<212> PRT
<213> Homo sapiens

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<220>
<223> N-Terminal Human RAGE Sequence

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<400> 9
Met Ala Ala Gly Thr Ala Val Gly Ala Trp Val Leu Val Leu Ser Leu
1          5          10          15

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Trp Gly Ala Val Val Gly Ala Gln Asn Ile Thr Ala Arg Ile Gly Glu
          20          25          30

```

```

Pro Leu Val Leu Lys Cys Lys Gly
          35          40

```

```

<210> 10
<211> 54
<212> DNA
<213> Artificial Sequence

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<220>
<223> Description of Artificial Sequence: Synthetic
      primer

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<210> 11
<211> 36
<212> DNA
<213> Artificial Sequence

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<220>
<223> Description of Artificial Sequence: Synthetic
      primer

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<400> 11
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<210> 12
<211> 56
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
primer

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<210> 13
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
primer

<400> 13
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